

Tangent Section

9.525 | 11.430 | 13.335 | 15.240 | 17.145 | 19.050 | 20.955 | 22.860 | 24.765 | 26.670 | 28.575 | 30.480 | 32.385 | 34.290 | 36.195 | 38.100

0.000 | 0.034 | 0.134 | 0.305 | 0.539 | 0.838 | 1.201 | 1.628 | 2.112 | 2.655 | 3.255 | 3.908 | 4.587 | 5.267 | 5.947 | 6.626 | 7.306 | 7.986 | 8.665 | 9.345 | 10.025

15.045 | 16.871 | 18.678 | 20.467 | 22.247 | 24.027 | 25.807 | 27.587 | 29.367 | 31.148 | 32.928 | 34.708 | 36.488

Parabolic Curve

9.476 11.345 13.204

Distance

Along Curve

(X)

(Y)

0.000

0.000

1.905 3.810 5.715 7.620

5.706 7.596

1.905 3.807

GENERAL NOTES:

Details indicated hereon are for the installation of guardrail in medians between bridges. Refer to "Tabulation of Steel Beam Guardrail for Standard Road Plan RE-67" for complete data regarding specific locations.

Details shown are typical. Actual installation may require some adjustment when so directed by the Engineer.

Horizontal and vertical alignment of the guardrail in the area immediately adjacent to the bridge shall, where necessary, be adjusted to a smoothly curved line with no abrupt changes. Appropriate adjustment in method of installation shall be made for curved roadway, skewed bridges, or other conditions not

Guardrail shall be lapped towards the structure.

Contract items for beam guardrail are: Installation of Guardrail (Bid Item Length = A+T ③) Beam Guardrail End Anchorage (RE-53)

Beam Guardrail End Anchorage (RE-69 or RE-27B)

INSTALLATION PROCEDURES:

- 1. Install 5.715 meter Standard Transition Section to each end post as detailed on Standard Road Plan RE-68.
- 2. Determine the length of Curve #1 from "Tabulation of Steel Beam Guardrail Between Dual Bridges." Stake and install guardrail based on table of "Approach Side Curve Offsets" as shown on this sheet.
- 3. Install the RE-53 end anchorage; Backside (3rd) post should not be installed until Steps 4 and 5 are completed to insure a smooth alignment.
- 4. Determine the maximum Y offset length for Curve #2 from the table of "Trailing Side Curve Offsets" on this sheet, based on curve length in the guardrail tabulation. Based on this offset and the Tangent Section length, located the intersection point of Curve #2 and the tangent section.
- 5. Maintaining normal post spacing from the RE-53 end anchorage, install guardrail to the point determined in Step 4. Install backside RE-53 post
- 6. Using table of "Trailing Side Curve Offsets," Install Curve #2 guardrail and posts and any necessary adjustment section.

All dimensions given in millimeters unless noted.



8	SIANDARD ROAD PLAN	KE-6/
<u>SS</u>	REVISION: New bridge endpost and guardrall transition section. Change to 150 mm X 200 mm posts.	REVISION NO.
₩	William Q. Stein	REVISION DATE
>	APPROVED BY DESIGN METHODS ENGINEER	10-02-01

GUARDRAIL INSTALLATION BETWEEN DUAL BRIDGES (Case Y)

For additional information, see Standard Road Plans. Detail Sheets and Typical Detail Drawings as follows: RE-27B, RE-53, RE-65, RE-68 RE-69A, RE-69B, RL-12.

METRIC